

METHODS AND APPARATUSES FOR CAPTURING UNMANNED AIRCRAFT
AND CONSTRAINING MOTION OF THE CAPTURED AIRCRAFT

ABSTRACT OF THE DISCLOSURE

Methods and apparatuses for capturing and constraining motion of unmanned aircraft and other flight devices or projectiles are described. In one embodiment, the aircraft can be captured at an extendable boom. The boom can be extended to deploy a recovery line to retrieve the aircraft in flight. A trigger mechanism coupled to the recovery line can actuate a hoist device to reduce slack in the recovery line. A tension device coupled to the recovery line can absorb forces associated with the impact of the aircraft on the recovery line.